BRUHAT BANGALORE MAHANAGARA PALIKE

Yelahanka Zone, Electrical Division

Name of Work:-Detailed Estime for Maintenance & Repairs to Existing Park Lighting,in Forest A Sector at Yelahanka Constituency in Ward no 04.

Ward No. 04 **Estimate No:-** **For Rs.** **100000.00**

Sl No	SR Page & SL No	Description Of Work	Unit	Qty	Rate	Amount
1	27/4.36 .1	LED Street light.Supply of LED Streetlight with pressure die cast aluminum housing body with optimal heat sink for better thermal dissipation. Diffuser with Injection moulded & is made of polycarbonate material with high transmission index, delivering superior light output. Rated life Burning Hrs 50000 hr @ Lumen Maintenance of 70%. CCT > 5500K, IP 66 optical and electrical compartment & impact resistance of complete luminare > IK08. Power Factor >0.9 with mains Current should not be greater than 0.1A to 0.7A & Surge Protection- Min 4KV along with Over voltage/Overload, short circuit/ miswiring protection. Compatible for pole mounting with outer dia of 40mm to 50mm. Universal Voltage driver to operate wide voltage range from 100V to 270V 50/60Hz application. Over load & Short circuit protection ensures reliable operation in spite of problem in output side. Compliance to IS 10322/IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB. Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools. LED Light fixture with .....W System Power consumption. LED Efficiency>130lm/w at 1W & Fixture Efficiency >80lm/w with nominal CRI >75. Luminaire manufacturer should have in-house facility accredited by NABL/CPRI & any Government certified agency & Design & Development facility certified by ISO 9001:2008 . Housing with supplier word mark /name shall be Engraved / Embossing on the die cast housing/ Body part. Warranty of 5 Years against any manufacturing defect working under standard electrical conditions as mentioned above should be given by LED source manufacture. Suitable for B1/B2 Roads as per IS 1944 Part I & Part II. LED Streetlight 24watts	Nos	12	6912.00	82944.00
2	108 /17.1.2	Supplying & fixing of 32 mm dia class A GI pipe bracket up to 2 mtrs long bent at suitable angle and fixing to this bracket 1x40/2x40 or rail or RCC pole/wall using suitable clamps, bolts, and nuts and wiring using suitable capacity wires complete. Using 32mm dia G.I pipe	Nos	12	893.00	10716.00

3	6/2.6.2	Wiring for lighting/power circuit using one of PVC insulated 1100v grade, multis and **Copper** conductor single core cable in open or consealed system of wiring.I Group A Materials.b)1.5 sqmm	Mtrs	130	15.90	2067.00
4	2.12.2	Wiring for lighting / power circuit using one of pvc insulated 1100v grade stranded aluminum unsheathed wire single core cable in open or concealed system of wiring as per IS - 694 : 19906sq mm	Nos	449	9.50	4265.50
5		Mislenious				7.50
		Total Rs				**100000.00**

CERTIFICATE :-

1. The place was inspected and the work is essential.
2. The provision made in the estimate are adequate and necessary and the work comes in the BBMP limit and is legitimate Charges on the BBMP funds.
3. The estimate is based on KPWD (Ele) S.R.2014-15 , BESCOM SR and Approved Rates.

T.N. Bar...
Asst. Engineer (Elec)

Asst. Exe.Engineer (Elec)
Sub-Division No.
Bruhat Bangalore Mahanagara Palike

EXECUTIVE ENGINEER (ELEC)
YELAHANKA DIVISION
BRUHAT BANGALORE MAHANAGARA PALIKE

Administrative Sanction for Rs. 1-00. LAKHS
RUPEES ONE LAKHS ONLY
is accorded under P0298. M. and R TO ELECTRICAL INSTALLATIONS IN PARK AND GARDENS. play GROUNDS
Registered as EE No. ..... Subject to conditions contained in enclosed memo No. BBMP/EE(ELE)/47/AS/16/ 2018-19 DT 25.09.2018
Executive Engineer

TECHNICALLY SANCTIONED FOR Rs. 1.00 LAKHS
Rupees ONE LAKH ONLY
Under P0298 M and R TO ELECTRICAL INSTALLATION IN PARK AND GARDENS
Registered as EE ( ) No. 99
Subject to conditions contained in enclosed memo EE ( ) No BBMP/EE(ELE)/47/AS/16/
Dt. 25-9-2018 Estimate A/ Sanctioned BBMP/EE(ELE)/47/TS/16/ 2018-19
Dated 25.09.2018 Rs. 1.00 LAKH
Executive Engineer